



Human Orexin B,OX-B ELISA Kit

Product Code	CSB-E09863h
Abbreviation	OX-B
Target Name	Orexin B,OX-B
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	62.5 pg/mL-4000 pg/mL
Sensitivity	15.6 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Metabolism
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human OX-B ELISA Kit was designed for the quantitative measurement of Human OX-B protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 pg/mL.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%
 Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays):CV%<10%
 Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human OX-B in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	107
	Range %	95-111
1:2	Average %	100
	Range %	93-104



1:4	Average %	94
	Range %	86-97
1:8	Average %	100
	Range %	92-104

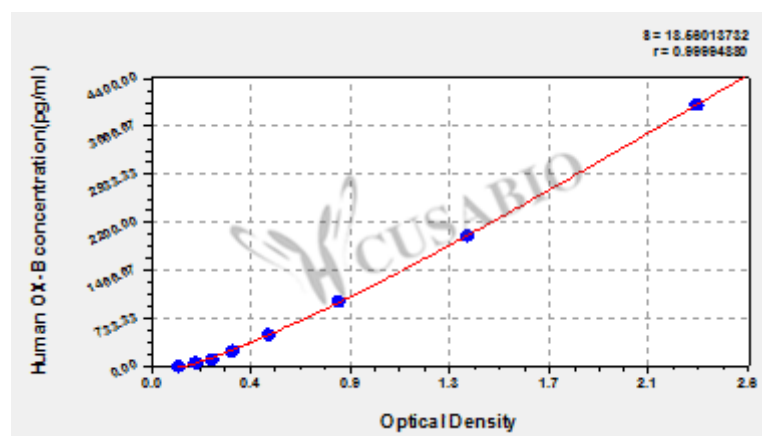
Recovery

The recovery of human OX-B spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	91	84-95
EDTA plasma (n=4)	108	97-112

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
4000	2.312	2.378	2.345	2.212
2000	1.386	1.346	1.366	1.233
1000	0.820	0.812	0.816	0.683
500	0.523	0.504	0.514	0.381
250	0.370	0.356	0.363	0.230
125	0.278	0.268	0.273	0.140
62.5	0.209	0.203	0.206	0.073
0	0.132	0.134	0.133	?

Msds

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